

**Table 1 - Modify RBR#B Text**  
**CCR 97-1237A**  
**Data Reflects RTM Baseline of 8/8/97**

RBR_id	req_key	Rel	Req_Category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	CC R	text	interpretation text	clarification
DADS0530#B	9466	B0	N/A_procedural	N/A_procedural	operational   procedural	not verified by ECS	N/A_procedural	not verified by ECS	N/A_procedural	97-0949A	The DADS shall be capable of accepting from PGS requests for refined orbit data.	<del>B: full capability, THE GSFC DADS WILL RECEIVE REPAIRED ORBIT DATA FOR AM-1 FROM FDF</del> In Release B0, the request is sent by the DAAC operations staff, via E-MAIL or a phone call.	Satisfied via EMAIL of phone call.
DADS0535#B	9467	B0	N/A_procedural	N/A_procedural	operational   procedural	not verified by ECS	N/A_procedural	not verified by ECS	N/A_procedural	97-0949A	The DADS shall be capable of sending a request for refined orbit data to the FDF.	<del>B: full capability, THE GSFC DADS WILL RECEIVE REPAIRED ORBIT DATA FOR AM-1 FROM FDF</del> In Release B0, the request is sent by the DAAC operations staff, via E-MAIL or a phone call. The operations staff is notified by the Data Processing subsystem when FDF orbit data is bad.	Satisfied via EMAIL of phone call.
DADS1360#B	3550	B0 B1	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0942A	Each DADS shall monitor the status, cost, and performance of all storage systems used.	In B0, the status and performance will be monitored; the cost will be monitored in B1.	
DADS1700#B	3569	B0 B1	mission fulfillment	SDP S	functional	demo	un-verified	demo	un-verified	97-0938A	Where appropriate, the DADS shall comply with the evolving guidelines and standards emerging from the IEEE-CS MSS Reference Model.	The DADS will comply with ESDIS-approved standards in B0. <u>At the time of the B0 COTS procurement, there were no COTS File Storage Management Systems which met this requirement.</u>	
DADS2		B0	mission	SDP	functional	demo	un-	demo	un-	97-			

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190#B	3600	B1	on essential	S	nal		verified		verified	0942A	Each DADS shall maintain a list of products which could not be delivered electronically (e.g., workstation off-line).		
DADS0320#B	3484	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0911A	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	<u>In B0 this does not apply to document data.</u>	
DADS0370#B	3487	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each DADS shall provide the IMS with metadata on newly stored data granules.	Applies to the update of the Metadata Database managed by the SDSRV CI. This is implemented in B0 for data types, as specified in the Data Type Services Matrix.	
DADS0430#B	8553	B0 <u>B1</u>	mission essential	SDP S	functional   operational	test	un-verified	test	un-verified	97-0911A	Each DADS shall provide its operations personnel the capability to manually alter the routing of data sets to physical storage locations.	In B0, operations personnel will have the capability to alter the routing of data types to storage locations.	
DADS0498#B	8560	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each designated DADS shall receive standing and retrospective product orders from the IMS.	Standing orders are supported by the CSS Subscription Service. The capability to process Data Requests, as a result of either standing orders or retrospective orders, is provided in B0. <u>On-demand data products are provided in B1.</u>	

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DADS1085#B	3537	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each DADS shall maintain a data access log.	<u>Data access logging is supported in B0; manipulation of the Data Access Log is provided in B1.</u>	
DADS1180#B	3542	B0	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each DADS shall provide the collocated PGS with data storage and retrieval capabilities.	<u>General capability is provided in B0; the PLANG CI will not store or retrieve certain data types until B1.</u>	
DADS1230#B	3544	B0	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each DADS shall be capable of providing temporary storage for a collocated PGS.	<u>General capability is provided in B0; the PLANG CI will not store or retrieve certain data types until B1.</u>	
DADS1300#B	3545	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each DADS shall display all faults to the system operators.	<u>General capability is provided in B0; DDSRV faults are displayed in B1.</u>	
DADS1310#B	3546	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each DADS shall track and report to the SMC problems such as missing or corrupted files requiring restoration or regeneration of data.	This is implemented by means of error messages sent to the Event Log. <u>Reporting of problems associated with document data is not supported until B1.</u>	
DADS1320#B	3547	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938A	Each DADS shall provide to the SMC fault isolation information at the DADS system and subsystem levels.	This is implemented by means of error messages sent to the Event Log and by the MSS Fault Management Application Service. <u>Reporting of problems associated with document data is not supported until B1.</u>	
DADS1330#B	3548	B0 <u>B1</u>	mission	SDP S	functional	test	un-verified	test	un-verified	97-09	Each DADS shall provide	This is implemented by means of error messages sent	

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			essential				d			38 A	information to support fault isolation between the DADS and other ECS-unique elements and external interfaces to the LSM.	to the Event Log and by the MSS Fault Management Application Service. <u>Reporting of problems associated with document data is not supported until B1.</u>	
DADS1340#B	3549	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938 A	Each DADS shall use tools to analyze system performance.	<u>Capabilities associated with document data are not provided until B1.</u>	
DADS1370#B	6859	B0 <u>B1</u>	mission essential	SDP S	functional	test	un-verified	test	un-verified	97-0938 A	Each DADS shall provide a mechanism for statistically monitoring both the raw and corrected bit error rate (BER) of storage media in the archive.	<u>BER monitoring is not supported by the procured storage hardware. The capability to compute and check checksums on data files is provided in B0; the capability to analyze checksum errors is provided in B1.</u>	
DADS1780#B	3573	B0 <u>B1</u>	mission essential	SDP S	functional	demo	un-verified	demo	un-verified	97-0938 A	Each DADS shall provide the capability to store as a single entity logically grouped sets of data.	This is supported in B0 by providing data references between each data granule and the data sets which are logically associated with the data granule. <u>Capabilities associated with document data are not provided until B1.</u>	
DADS2778#B	3632	B0 <u>B1</u>	mission essential	SDP S	performance	demo	un-verified	demo	un-verified	97-0714 A	Each DADS shall be capable of receiving and archiving three days' worth of data (see Appendix C) in any given day.	The Release B0 archives throughput are calculated based on the capacity to accommodate the Release B0 supported missions until 1 year after AM-1 launch (middle of 99). The archive	

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												at GSFC is also sized to support the TSDIS data (along with required ancillary) and V0 migration data while LaRC archive is also sized to support the CERES (TRMM) data (along with required ancillary) and V0 migration data. EDC and NSIDC are also sized to support V0 migrated data. Total throughput capacity from L0 plus non-EOS data and 1.2 days worth of higher level EOS data in 1 day, derived from the Feb., 1996 Technical Baseline (Release B0 procurement baseline) in GB/day is 574 @ GSFC, 295 @ LaRC, 540 @ EDC and 20 @ NSIDC. Note The specified TRMM/TSDIS storage volumes are to accommodate possible future data migration.	
DADS2780#B	3633	B0	mission essential	SDP S	performance	demo	un-verified	demo	un-verified	97-0919A	Each DADS shall be capable of ingesting data at the maximum output bandwidth of the EDOS.	<u>This is supported at the GSFC and LaRC DAACs in B0, at JPL in B1.</u>	

**Table 2 - Add L4 DSS Requirements**  
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<b>L4 id</b>	<b>req_key</b>	<b>rel</b>	<b>req_type</b>	<b>req_status</b>	<b>ver_method</b>	<b>ver_status</b>	<b>text</b>
<u>S-DSS-30139</u>	<u>new</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	<u>The DDIST CI shall suspend any Electronic Distribution Request that could not be completed because the requested data could not be delivered.</u>
<u>S-DSS-30141</u>	<u>new</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	<u>The DDIST CI shall provide the operations staff the capability to cancel the processing of a suspended Distribution Request.</u>
<u>S-DSS-30143</u>	<u>new</u>	<u>B0</u>	<u>functional</u>	<u>approved</u>	<u>demo</u>	<u>unverified</u>	<u>The DDIST CI shall provide the operations staff the capability to resume the processing of a suspended Distribution Request.</u>

**Table 3 - Modify L4 DSS Requirements**  
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<b>L4 id</b>	<b>req_key</b>	<b>rel</b>	<b>req_type</b>	<b>req_status</b>	<b>ver_method</b>	<b>ver_status</b>	<b>text</b>
S-DSS-70200	13471	B0	performance	approved	analysis	unverified	The <del>WHSHW</del> <u>WKSHW</u> CI at the GSFC DAAC shall be capable of supporting the ingest of 574 GB in any given day.
S-DSS-70201	13473	B0	performance	approved	analysis	unverified	The <del>WHSHW</del> <u>WKSHW</u> CI at the LaRC DAAC shall be capable of supporting the ingest of 295 GB in any given day.
S-DSS-70202	13480	B0	performance	approved	analysis	unverified	The <del>WHSHW</del> <u>WKSHW</u> CI at the EDC DAAC shall be capable of supporting the ingest of 540 GB in any given day.
S-DSS-70203	13481	B0	performance	approved	analysis	unverified	The <del>WHSHW</del> <u>WKSHW</u> CI at the NSIDC DAAC shall be capable of supporting the ingest of 20 GB in any given day.

**Table 4 - Delete L4 DSS Requirements**  
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L4 id	req_key	rel	req_type	ver_method	text
S-DSS-21540	-4010	B+	performance	demo	The SDSRV CI shall support distributing product QA data produced at the collocated Data Processing Subsystem within 1 hour from the time it is ready.



**Table 5 - Add L4 DSS Links to RBR#B**  
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<b>RBR ID</b>	<b>L4 id</b>
<u>DADS0535#B</u>	<u>S-DPS-30320</u>
<u>DADS2190#B</u>	<u>S-DSS-30139</u>
<u>DADS2190#B</u>	<u>S-DSS-30141</u>
<u>DADS2190#B</u>	<u>S-DSS-30143</u>

**Table 6 - Delete L4 DSS Links to RBR#B**  
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RBR ID	L4 id
<del>DADS1375#B</del>	S-DSS-20330
<del>DADS2780#B</del>	S-INS-60771
<del>DADS2780#B</del>	S-INS-60772
<del>DADS2780#B</del>	S-INS-61115